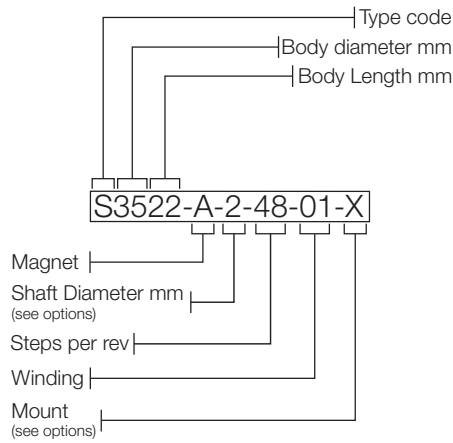


# Permanent Magnet Stepping Motors

S3522

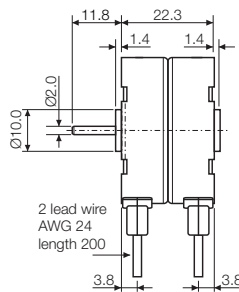
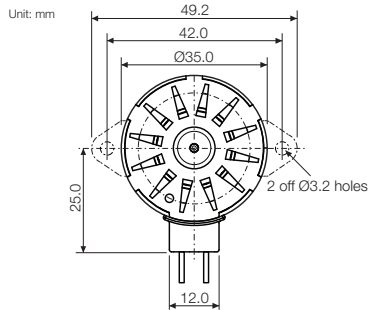
Issue 03:CN5428



# Rotalink

Miniature Motors, Transmission and Control

Model Number	Phase voltage (V)	Phase current (A)	Phase resistance (Ω)	Phase inductance @ 50Hz (mH)	Winding
S3522-A2-48-01X	10	0.12	87	165	Bipolar



## General Specification

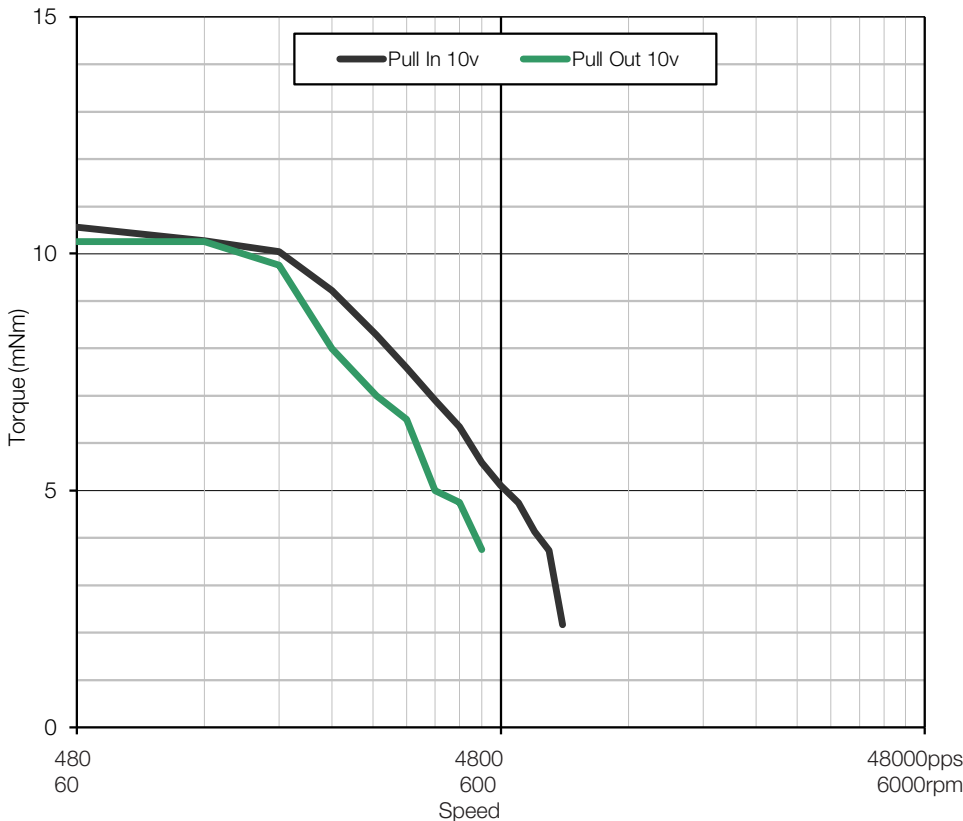
Holding torque	21mNm
Step angle	7.5°
Rotor Inertia	0.5 kgm <sup>2</sup> x10 <sup>-6</sup>
Temperature rise	60°C
Ambient temp. range	-5°C to +50°C
Dielectric strength	500V AC 1sec
Weight	80g

## Motor options

Shaft Diameter (ØD) - 2mm  
Mount - Clip (C), Adaptor Plate (S)

Alternative voltage/phase resistance  
Alternative lead lengths

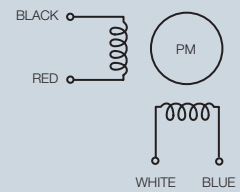
## Characteristics



Drive: Microstep/full step morphing chopper drive @ 30V & phase current  
Load Inertia: 9.54 x 10<sup>-7</sup> kgm<sup>2</sup>

## Full step bipolar sequence

CW dir.	Step 1	Step 2	Step 3	Step 4
Black	-	+	+	-
Red	+	-	-	+
White	+	+	-	-
Blue	-	-	+	+



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